Original/Duplicate/Triplicate
CONTRACT CERTIFICATE

SBRNO-116/16-17

No. ***First & Final Bill*** (For Other Works) Date 20-8-2016

Division: **BBMP, Byatarayanapura** Sub-Division: **BBMP, Vidyaranyapura**

Bill Received No. 109 Dated Divisional Cash Book Voucher No…….. Dated……

Sub Divisional **Work Code: 009-16-000001**

Schedule Docket No. Head of Account: **P-3089** **Est.Cost: 49.00 Lakhs** D.R.No. :

Name of Work (as per sanctioned estimate): **Improvements and Asphalting to Roads at Canara Bank Layout in ward No. 09 in Vidyaranyapura sub Division.**

Name of Contractor and Full Address: ***Sri. B.B. Umesh, Contractor, # 385, Bettaulsur (P), Bangalore North Taluk – 562 157.***

Reference to Agreement No. **EE/BTP/BBMP/ E-PMT/01(17847)/WO/104/2016-17** Date: 09.08.2016

Certified that the measurements were taken by me on 19-8-16 and recorded of **Pages** 265268 **to** 265279 of measurement Book No. **2653** and that the work is satisfactorily executed.

B.B. 19/8/16

Contractor **Officer-in-charge of work**

Certified that the measurement were taken by me on ……and found correct. The work is satisfactorily executed.

Certified that the quantities of materials shown in column 3 of Account have been actually brought to site of the work and the contractor has not previously received any advance on this security. These materials are of and imperishable nature and are all required for immediate use on the work in connection with items for finished work have been agreed upon. A normal agreement signed and executed by the contractor is recorded in the office.

Sub Division Officer

Assistant Executive Engineer
Vidyaranyapura Sub Division
BBMP, Bangalore - 97

II Memorandum of Payment

1) Total value of work done or supplies made as per account within		
2) Deduct amount to be held in reserve being ……percent Rs……		
3) " Balance		
4) Deduct Payment:		
a. Amount of previous payment as in the Office Cash Book Voucher No……Dated……S.D. No……..… Amount adjusted towards cash advance recovery of		
b. Payments Now made { cost store or other material supplied. recovery of amount creditable to this/other work Amount paid on this bill Cheque / Cash.		
5) Balance being unpaid value of work done held in reserve.		
6) Deduct cash advance made on the Office cash Book Voucher No…… dated……less adjustments.		
7) Net amount due to or from Contractor unadjustments items.		
8) Advance to Contractor for materials brought to site (as detailed) within.		
9) Value of Government materials supplied.		
Total amount adjusted -		

Contractor's Signature

Received Rs…….. (in words)……

……

by cash and by adjustment of Payment as per memorandum (in final settlement of all demands)

Audited & Admitted for Rs. 4848360-00

(For use in the Office)

Witness
1.
2.

Stamp

Dated Signature of Contractor

Paid by me by Cheque No……Dated……

Cash Rs……..

Dated……

Accts Suodi
Byatarayanapura Dn. Byatarayanapura
BBMP

Initials of Officer making payment **Executive Engineer**

Sl. No.		Unit
1	Earth work excavation by manual means in ordinary soil involving an average horizontal throw upto 2 meters and an average lift upto 0.5m, excavated surface leveled and sides neatly dressed, the disposed earth to be leveled neatly after breaking of clods etc complete as per specifications and directions of engineer in charge of the work	Cum
2	Removing B.S Slab of Drain and stacking etc complete as per specifications and directions of engineer in charge of the work	Sqm
3	Refixing stone slabs of drains and pointing in C.M (1:3) etc complete as per specifications and directions of engineer in charge of the work	Sqm
4	Providing and laying in position plain cement concrete of **mix 1:4:8 with OPC cement @ 180 kgs with 40mm** and down size graded granite metal coarse aggregates @ 0.85cum and fine aggregares @ 0.57 cum machine mixed, concrete laid in layers not, exceeding 15cms, thick, well compacted, in foundation and plinth, including cost of all materials, labour, HOM of machinery, curing etc complete as per specifications and directions of engineer in charge of the work	Cum
5	Providing and constructing precast concrete solid blocks with compressive strength not les than 35 Kg/sqm with cement mortar 1:4 masonry (quoin, Jamb, closer blocks) with solid concrete blocks of size 40x20x20 cms conforming to I.S: 2185/1965 in superstructure including cost of materials, labour charges, scaffolding, curing etc complete as per specifications and directions of engineer in charge of the work	Sqm
6	Providing and laying in position plain cement concrete of **mix 1:2:4 with cement @ 240 kgs with 20mm** and down size graded granite metal coarse aggregates @ 0.878 cum and fine aggregates @ 0.459 cum, machine mixed, concrete laid in layers not exceeding 15cms, thick, well compacted, in foundation, plinth and cills, including cost of all materials, labour, HOM of machinery, curing etc complete as per specifications and directions of engineer in charge of the work	Cum
7	Providing and laying in position **reinforced cement concrete of design mix M20 with OPC cement @ 320 kgs, with 20mm and down size graded granite metal**, coarse aggregates @ 0.878 cum and fine aggregates @ 0.459 cum with superplastisiser @ 3lts confirming to IS 9103-1999 reaffirmed-2008 machine mixed, concrete laid in layers not exceeding 15cms thick, vibrated for all works in foundation plinth and ground floor level for roof slabs, staircase, lintels, retaining walls, walls (any thickness) including attached plasters, column, piers, abutments, pillars, posts, struts, buttresses, string or lacing courses, parapets, coping, bed blocks, anchor blocks, plain window cills, fillets etc, including cost of all materials, labour, HOM of machinery, curing, etc complete as per specifications and directions of engineer in charge of the work	Cum
8	Providing T.M.T steel reinforcement for R.C.C work including straightening, cutting, bending, hooking, placing in position, lapping and / or welding wherever required, tying with binding wire and anchoring to the adjoining members wherever necessary complete as per design (laps, hooks and wastage shall not be measured and paid) cost of materials, labour, HOM of machinery complete as per specifications. Specification No. KBS 4.6.3 **TMT Bars FE 500** etc complete as per specifications and directions of engineer in charge of the work	Tonne
9	Providing and removing centering, shuttering, strutting, propping etc., and **removal of form work for flat surface such as suspended floors, roofs, landings, balconies and likes, thickness upto 200 mm** including cost of all materials, labour etc complete as per specifications and directions of engineer in charge of the work	Sqm
10	Scarifying kankar/gravel/metal crust upto 150mm thick with pick axes and disposal of stuff within a lead of 100 meters including cost of all labour charges etc complete as per specifications and directions of engineer in charge of the work	Sqm
11	Providing, laying, spreading and compacting graded stone aggregate to **wet mix macadam** specification including premixing the Material with water at OMC in mechanical mix plant carriage of mixed Material by tipper to site, laying in uniform layers with paver in sub-base / base course on well prepared surface and compacting with vibratory roller to achieve the desired density etc complete as per specifications and directions of engineer in charge of the work	Cum
12	Providing and applying primer coat with S.S. bitumen emulsion on prepared surface of granular base such as WBM, WMM including cleaning of road surface and spraying primer at the rate of 0.60 Kg / sqm using mechnical means etc complete as per specifications and directions of engineer in charge of the work	Sqm
13	Providing and laying **bituminous macadam** on prepared surface with crushed coarse aggregates as per design mix formula for base / binding course including loading of aggregates with F.E. loader, hot mixing of stone aggregates and bitumen in hot mix plant 40 tonne capacity, transporting the mixed material in tipper to paver and laying mixed materials with paver finisher to the required level and grade, rolling by power roller to achieve the desired density, 50 / 75mm compacted thickness with 3.3% bitumen but excluding cost of primer / tack cost with lead upto 1km including cost of all materials, labour, HOM of machineries complete as per specifications. MORTH chapter 5, **using 100/12 TPH capacity h.M.P with sensor paver gr-II (50 mm to 75 mm) with 3.3 % VG-30 Bitumen,** etc complete as per specifications and directions of engineer in charge of the work	Cum

Previous Measurement		Present Measurement			Total Upto Date		Remarks
Qty.	Cost	Qty.	Rate Rs. P.	Amount	Qty	Cost	
-	-	669.65	75.60	50626.00	669.65	50626.00	
-	-	1055.70	58.32	61568.00	1055.70	61568.00	
-	-	1055.70	75.60	79811.00	1055.70	79811.00	
-	-	4.27	4847.04	20697.00	4.27	20697.00	
-	-	165.00	993.60	163944.00	165.00	163944.00	
		195.00	1018.44	198596.00	195.00	198596.00	
-	-	35.06	5327.64	186787.00	35.06	186787.00	
		6.03	5490.72	33109.00	6.03	33109.00	
-	-	47.04	6065.28	285311.00	47.04	285311.00	
-	-	3.53	78351.84	276582.00	3.53	276582.00	
-	-	418.94	314.28	131664.00	418.94	131664.00	
-	-	3332.50	22.68	75581.00	3332.50	75581.00	
-	-	754.10	1350.00	1018035.00	754.10	1018035.00	
-	-	3807.50	31.32	119251.00	3807.50	119251.00	
-	-	17.19	6800.00	116892.00	17.19	116892.00	
		65.94	5775.84	380859.00	65.94	380859.00	

Sl. No.		Unit
14	Providing and laying **bituminous concrete** crushed aggregates of specified grading, premixed with bituminous binder at 5.4 to 5.6% of mix and filler, transporting the hot mix to work site, laying with a hydrostatic paver finisher with sensor control to the required grad, level and alignment, rolling with smooth wheeled, vibratory and tandem rollers to achieve, the desired compaction as per MORTH specification clauses No. 500.9 complete in all respects complete as pr specifications. **Using 100/120 TPH capacity H.M.P with sensor paver Gr-II (30 mm to 45 mm) with 6 % CRMB 55** etc complete as per specifications and directions of engineer in charge of the work	Cum
15	Providing and laying **semi dense bituminous concrete** using crushed aggregates of specified grading, premixed with bituminous binder and filler, transporting the hot mix to work site, laying with a hydrostatic paver finisher with sensor control to the required grade, level and alignment, rolling with smooth wheeled, vibratory and tandem roller to achieve the desired compaction as per MORTH specifications clause No. 500.8 complete in all respects as per specifications. **with 100-120 TPH capacityH.M.P with sensor paver Gr-II (25 mm to 30 mm) with 5 % VG-30 Bitumen** etc complete as per specifications and directions of engineer in charge of the work	Cum
16	**Filling Pot-holes and patch repairs with bituminous concrete, 40 mm,** KSRRB M3000-5, Removal of all failed material, trimming of completed excavation to provide firm vertical faces, cleaning of surface, painting of tack coat on the sides and base of excavation as per clause 500.3 finishing the surface to form a smooth continuous surface, all as per clause 3004.2 etc complete as per specifications and directions of engineer in charge of the work	Sqm
17	Lead for Disposal of Debris shall be payable at carriage rates by Mechanical means inlcuding loading and unloading etc complete as per specifications and directions of engineer in charge of the work	Cum
	EIRL	
18	Providing granite slabs of selected quality roughly dressed and fixed in cement mortar(1:6) including fixing curing etc, complete 7.5 cms thick etc complete as per specifications and directions of engineer in charge of the work	Sqm
19	Providing and constructing granite / trap / basalt size stone masonry in **foundation with cement mortar 1:6**, stone hammerd dressed in courses not less than 20 cms high, bond stones at two m. apart in each course including cost of materials, labour, curing etc complete as per specifications and directions of engineer in charge of the work	Cum
	Total	

CERTIFICATE :

1. Certified that the above work done satisfactory and no materials issued from departmentally.

Previous Measurement		Present Measurement			Total Upto Date		Remarks
Qty.	Cost	Qty.	Rate Rs. P.	Amount	Qty	Cost	
-	-	95.10	10288.08	978396.00	95.10	978396.00	
-	-	35.75	10000.00	357500.00	35.75	357500.00	
-	-	240.00	369.36	88646.00	240.00	88646.00	
-	-	669.65	75.07	50271.00	669.65	50271.00	
-	-	162.00	663.12	107425.00	162.00	107425.00	
-	-	16.20	4135.32	66992.00	16.20	66992.00	
				4848382.00		**4848382.00**	

4848368.-

4848368.-

Assistant Executive Engineer
Vidyaranyapura Sub Division
BBMP, Bangalore - 97